

WHAT IS CLAIMED IS:

1. A combination measuring device for respectively accommodating objects in a plurality of containers, performing combination calculation by measuring weights of the objects accommodated in the containers, discharging from the containers the objects that are
5 selected as an optimum combination, collecting the selected objects, and thereby obtaining the objects measured to have a target weight, comprising:

a plurality of measuring units each having measuring means for measuring the weight of the object accommodated in the container, and stock means for stocking the plurality of containers accommodating the weighed objects; and

10 calculating means for performing the combination calculation by using weight values of all the objects stocked by the stock means of each of said measuring units, selecting one container at most from each of said measuring units, and thereby obtaining the optimum combination.

15 2. The combination measuring device according to claim 1, wherein said stock means stocks the containers in a longitudinal direction.

3. The combination measuring device according to claim 1 or 2, further comprising:
only one collecting portion provided for said plurality of measuring units, wherein

20 each of said measuring units is configured to be able to discharge the object from only one container to said collecting portion at a time.

4. The combination measuring device according to claim 3, wherein
each of said measuring units further has transferring means for receiving the
25 container from said stock means, and transferring the object accommodated in the container to said collecting portion.

5. The combination measuring device according to claim 4, wherein
said transferring means has first drive means for transferring the container, and
second drive means for rotating the container.

- 5 6. A combination calculation method comprising:
a measuring step of measuring weights of objects accommodated in a plurality of
containers;
a storing step of storing the plurality of weight values for each of the respective
containers; and
10 a calculating step of performing combination calculation to obtain an optimum
combination based on the plurality of weight values stored in said storing step, wherein
in said calculating step, the optimum combination is obtained while taking into
account to which group each of the plurality of weight values belongs to, such that one weight
value at most is selected from each of the groups.